

# INTERNATIONAL SEARCH REPORT

Interr | Application No  
PCT/NL2005/000200

## A. CLASSIFICATION OF SUBJECT MATTER

IPC 7 A61K39/395 A61K31/728 A61P37/06

According to International Patent Classification (IPC) or to both national classification and IPC

## B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)

IPC 7 A61K

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Electronic data base consulted during the International search (name of data base and, where practical, search terms used)

EPO-Internal, BIOSIS, WPI Data, PAJ

## C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X	US 5 674 857 A (FALK RUDOLF EDGAR ET AL) 7 October 1997 (1997-10-07)	1-6, 10, 11
Y	abstract claims 1-18 column 2, lines 45-52	1-10
X	KNOFLACH-A ET AL.: "Immunomodulatory functions of low-molecular weight hyaluronate in an acute rat renal allograft rejection model" JOURNAL OF THE AMERICAN SOCIETY OF NEPHROLOG, vol. 10, no. 5, May 1999 (1999-05), page 1059-1066, XP000872705 abstract	1-6, 10, 11
Y	page 1065, left-hand column, paragraphs 3,4	1-13
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☒ Further documents are listed in the continuation of box C.

☒ Patent family members are listed in annex.

### \* Special categories of cited documents:

\*A\* document defining the general state of the art which is not considered to be of particular relevance

\*E\* earlier document but published on or after the international filing date

\*L\* document which may throw doubts on priority claim(s) or which is cited to establish the publication date of another citation or other special reason (as specified)

\*O\* document referring to an oral disclosure, use, exhibition or other means

\*P\* document published prior to the international filing date but later than the priority date claimed

\*T\* later document published after the international filing date or priority date and not in conflict with the application but cited to understand the principle or theory underlying the invention

\*X\* document of particular relevance; the claimed invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone

\*Y\* document of particular relevance; the claimed invention cannot be considered to involve an inventive step when the document is combined with one or more other such documents, such combination being obvious to a person skilled in the art.

\*Z\* document member of the same patent family

Date of the actual completion of the international search

30 May 2005

Date of mailing of the international search report

07/06/2005

Name and mailing address of the ISA

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## C.(Continuation) DOCUMENTS CONSIDERED TO BE RELEVANT

Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X	SEITER SIMONE ET AL: "Down-modulation of host reactivity by anti-CD44 in skin transplantation" TRANSPLANTATION (BALTIMORE), vol. 66, no. 6, 27 September 1998 (1998-09-27), pages 778-791, XP009036330 ISSN: 0041-1337	1,2,11, 12
Y	abstract	1-20
X	US 2002/160010 A1 (SIMON JAN ET AL) 31 October 2002 (2002-10-31) abstract claims 1-14 paragraph '0043! paragraph '0068! paragraph '0070!	1-3, 11-13
X	EP 0 538 754 A (DEUTSCHES KREBSFORSCH ; KERNFORSCHUNGSZ KARLSRUHE (DE); BOEHRINGER ING) 28 April 1993 (1993-04-28) claims 1,11,14,16,18,19,23	1-3, 11-13
Y	abstract	1-20
X	US 5 951 982 A (HERRLICH PETER ET AL) 14 September 1999 (1999-09-14) abstract column 7, lines 16,17,25-28 claims 1-6	1-3,10, 13
X	KATOH SHIGEKI ET AL: "Characterization of soluble CD44 in the circulation of mice: Levels are affected by immune activity and tumor growth" JOURNAL OF IMMUNOLOGY, vol. 153, no. 8, 1994, pages 3440-3449, XP001183524 ISSN: 0022-1767 abstract	14-20
Y	MESSMER-K ET AL.: "CD44 and hyaluronate are involved in platelet-endothelial cell interaction after ischemia-reperfusion" EUROPEAN SURGICAL RESEARCH - 12TH WALTER BRENDL SYMPOSIUM ON APPLIED IMMUNOLOGY AND MICROCIRCULATION, MAULS, ITALY, FEBRUARY 5-7, 2001, vol. 33, 2001, pages 51-52, XP009036736 abstract	1-20

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## C.(Continuation) DOCUMENTS CONSIDERED TO BE RELEVANT

Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
Y	<p>WANG H ET AL: "Discovery of induced CD44 gene expression after focal brain ischemia in both rats and mice" SOCIETY FOR NEUROSCIENCE ABSTRACTS, vol. 26, no. 1-2, 2000, page 670.9, XP002296686 &amp; 30TH ANNUAL MEETING OF THE SOCIETY OF NEUROSCIENCE; NEW ORLEANS, LA, USA; NOVEMBER 04-09, 2000 ISSN: 0190-5295 abstract</p>	1-20
Y	<p>CABRERA PAULA V ET AL: "Modulacion de isoformas de la molecula de adhesion CD44 en un modelo murino de isquemia y reperfusion intestinal 'Modulation of isoforms of CD44 adhesion molecule in a murine model of gut-ischemia-reperfusion!'" MEDICINA (BUENOS AIRES), vol. 60, no. 6, 2000, pages 940-946, XP009036574 ISSN: 0025-7680 abstract</p>	1-20
Y	<p>MUELLER A R ET AL: "L-arginine application improves graft morphology and mucosal barrier function after small bowel transplantation." TRANSPLANTATION PROCEEDINGS. SEP 2000, vol. 32, no. 6, September 2000 (2000-09), pages 1275-1277, XP002296687 ISSN: 0041-1345 abstract page 1277, left-hand column</p>	1-20
Y	<p>BRENNAN F R ET AL: "CD44 is involved in selective leucocyte extravasation during inflammatory central nervous system disease" IMMUNOLOGY, vol. 98, no. 3, November 1999 (1999-11), pages 427-435, XP002296688 ISSN: 0019-2805 abstract</p>	1-20
A	<p>DEGRENDELE HEATHER C ET AL: "Requirement for CD44 in activated T cell extravasation into an inflammatory site" SCIENCE (WASHINGTON D C), vol. 278, no. 5338, 24 October 1997 (1997-10-24), pages 672-675, XP002296689 ISSN: 0036-8075 abstract</p>	1-20

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C.(Continuation) DOCUMENTS CONSIDERED TO BE RELEVANT		
Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
A	<p>TANAKA YASUO ET AL: "Anti-CD44 monoclonal antibody (IM7) induces murine systemic shock mediated by platelet activating factor."</p> <p>JOURNAL OF AUTOIMMUNITY. FEB 2002, vol. 18, no. 1, February 2002 (2002-02), pages 9-15, XP002296690</p> <p>ISSN: 0896-8411</p> <p>the whole document</p> <p>-----</p>	7-9

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In:      nal application No.  
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### Box II Observations where certain claims were found unsearchable (Continuation of item 2 of first sheet)

This International Search Report has not been established in respect of certain claims under Article 17(2)(a) for the following reasons:

1. ☒ Claims Nos.:  
because they relate to subject matter not required to be searched by this Authority, namely:  
  
Although claims 14-16, 18-20 are directed to a diagnostic method practised on the human/animal body, the search has been carried out and based on the alleged effects of the compound/composition.
2. ☐ Claims Nos.:  
because they relate to parts of the International Application that do not comply with the prescribed requirements to such an extent that no meaningful International Search can be carried out, specifically:
3. ☐ Claims Nos.:  
because they are dependent claims and are not drafted in accordance with the second and third sentences of Rule 6.4(a).

### Box III Observations where unity of invention is lacking (Continuation of item 3 of first sheet)

This International Searching Authority found multiple inventions in this international application, as follows:

1. ☐ As all required additional search fees were timely paid by the applicant, this International Search Report covers all searchable claims.
2. ☐ As all searchable claims could be searched without effort justifying an additional fee, this Authority did not invite payment of any additional fee.
3. ☐ As only some of the required additional search fees were timely paid by the applicant, this International Search Report covers only those claims for which fees were paid, specifically claims Nos.:
4. ☐ No required additional search fees were timely paid by the applicant. Consequently, this International Search Report is restricted to the invention first mentioned in the claims; it is covered by claims Nos.:

Remark on Protest

- ☐ The additional search fees were accompanied by the applicant's protest.
- ☐ No protest accompanied the payment of additional search fees.

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Patent document cited in search report		Publication date	Patent family member(s)	Publication date
US 5674857	A	07-10-1997	CA 2061567 A1 WO 9605845 A2 US 5767106 A EP 0557118 A1 SG 49654 A1	21-08-1993 29-02-1996 16-06-1998 25-08-1993 15-06-1998
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US 5951982	A	14-09-1999	DE 4134982 A1 AT 162079 T AU 659687 B2 AU 2724492 A CA 2081150 A1 DE 59209129 D1 DK 538754 T3 EP 0538754 A2 ES 2111031 T3 GR 3026526 T3 HU 63063 A2 JP 5310596 A KR 252620 B1 NO 924103 A NZ 244851 A ZA 9208162 A	29-04-1993 15-01-1998 25-05-1995 29-04-1993 24-04-1993 19-02-1998 30-03-1998 28-04-1993 01-03-1998 31-07-1998 28-07-1993 22-11-1993 01-09-2000 26-04-1993 27-07-1997 05-05-1993